

KNAUFINSULATION

NatuRoll Plus

Build on us.



with **ECOSE**[®]
TECHNOLOGY

Product description

Multifunctional insulation roll of Mineral Wool with ECOSE[®] Technology
NatuRoll Plus is a mineral wool with ECOSE[®] Technology roll offering thermal insulation, sound insulation and fire protection in various applications, including lofts, attics, ceilings and other horizontal applications, as well as general timber and steel frame constructions.

Applications



NatuRoll Plus

Technical characteristics

Declared coefficient of thermal conductivity λ_D	0.040 W/mK
Reaction to fire	A1 - non-combustible material
Thickness tolerance	T2
Short term water absorption W_s	$\leq 1 \text{ kg/m}^2$
Long term water absorption W_{lp}	$\leq 3 \text{ kg/m}^2$
Declaration of Performance - DoP	www.dopki.com/G4297JPCPR
DESIGNATION CODE: MW-EN 13162-T2-WS-WL(P)	

Benefits

- Thermal insulation
- Excellent fire resistance - Euroclass A1, non-combustible
- Sound insulation
- Competitive cost
- Simple and quick application
- Excellent sustainability credentials
- Ideal for LEED, WELL, BREEAM, DGNB projects

Dimensions and packaging

Thickness (mm)	Length (mm)	Width (mm)	pcs / roll	m2 / roll	Rolls / pallet	m2 / pallet	R Thermal resistance (m2K/W)
50	8200	1200	2	19,68	24	472,32	1,25
60	6800	1200	2	16,32	24	391,68	1,50
80	10200	1200	1	12,24	24	293,76	2,00
100	8200	1200	1	9,84	24	236,16	2,50
120	6800	1200	1	8,16	24	195,84	3,00
140	5900	1200	1	7,08	24	169,92	3,50
150	5500	1200	1	6,60	24	158,40	3,75
160	5100	1200	1	6,12	24	146,88	4,00
180	4600	1200	1	5,52	24	132,48	4,50
200	4100	1200	1	4,92	24	118,08	5,00

Certification, accreditations and industry standards



Application

The product is intended for thermal and sound insulation, as well as for fire protection in various applications with no mechanical requirements. It can be installed into cavities and frames and also be laid onto horizontal constructions. Its typical use includes insulation from above for lofts and attics and also for suspended ceilings. In case of pitched constructions such as a pitched roof, NatuRoll Plus must be mechanically fixed on its place.

Packaging

The product NatuRoll Plus is delivered in PE heat-shrinking foil. The products must be stored in a dry place, indoors or under roof. In exceptional situations, the packages stored outdoors should be protected by watertight foil. The packages must not be placed directly on the ground.

Quality

NatuRoll Plus is certified to comply with standard EN 13162 as well as with the EUCB certificate which ensures that the product is biosoluble and not dangerous for health in accordance with European Directive 97\69\EC. Due to ECOSE Technology naturally based binder, it also possesses Eurofins Indoor Air Comfort Gold Certificate, regarding indoor Environmental Quality and Low-Emitting Materials. It is also officially certified by the DECLARE label, indicating that it is independently analyzed in forensic detail to ensure it does not contain any harmful or unhealthy chemical ingredients included on the International Living Future Institute's Red List.



Knauf Insulation mineral wool products made with ECOSE Technology® benefit from a no added formaldehyde binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE Technology® contain no dye or artificial colours.

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